Name:

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Geometry, Period

Due Date: Tue, 5 May 2015

**Geometry**

**CW / HW**



**Give all relevant formulas and show all work. You can assume that the center portions of the 3-D figures below (in grey) are removed from the shape. Failure to show all work will result in a LaSalle.**

|  |  |
| --- | --- |
| 1) Find the volume of right cylinder. Round your answer to two decimal places. | |
| 2) Find the volume of rectangular prism. Round your answer to two decimal places. | |
| 3) Find the surface area of the solid. Round your answer to two decimal places. | |
| 4) Find the surface area of the solid. Round your answer to two decimal places. | |
| 5) a. Find the volume of the composite shape below: | b. Find the surface area of the shape: |
| 10) a. swimming pool is 8 m long, 6 m wide and 1.5 m deep. How many liters of water will be needed to fill it? | b. The water resistant paint needed for the pool costs $6 per square meter. How much will it cost to paint the interior surfaces of the pool? |

**Review Problems: Show work or explain your answer**

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|  | | Given that sin A = , which expression would you use to find the measure of angle A?  **A**. sin  **B**. sin  **C**. sin  **D**. |
|  | A sculptor creates a small plastic statue that weighs 17 lb. She plans to make another version of the same sculpture that is 5 times as large in each dimension and made of stone. If stone weighs 6 times as much as plastic, how much will the large statue weigh?  **A.** 510 lb  **B.** 1,530 lb  **C.** 2,550 lb  **D.** 12,750 lb | |